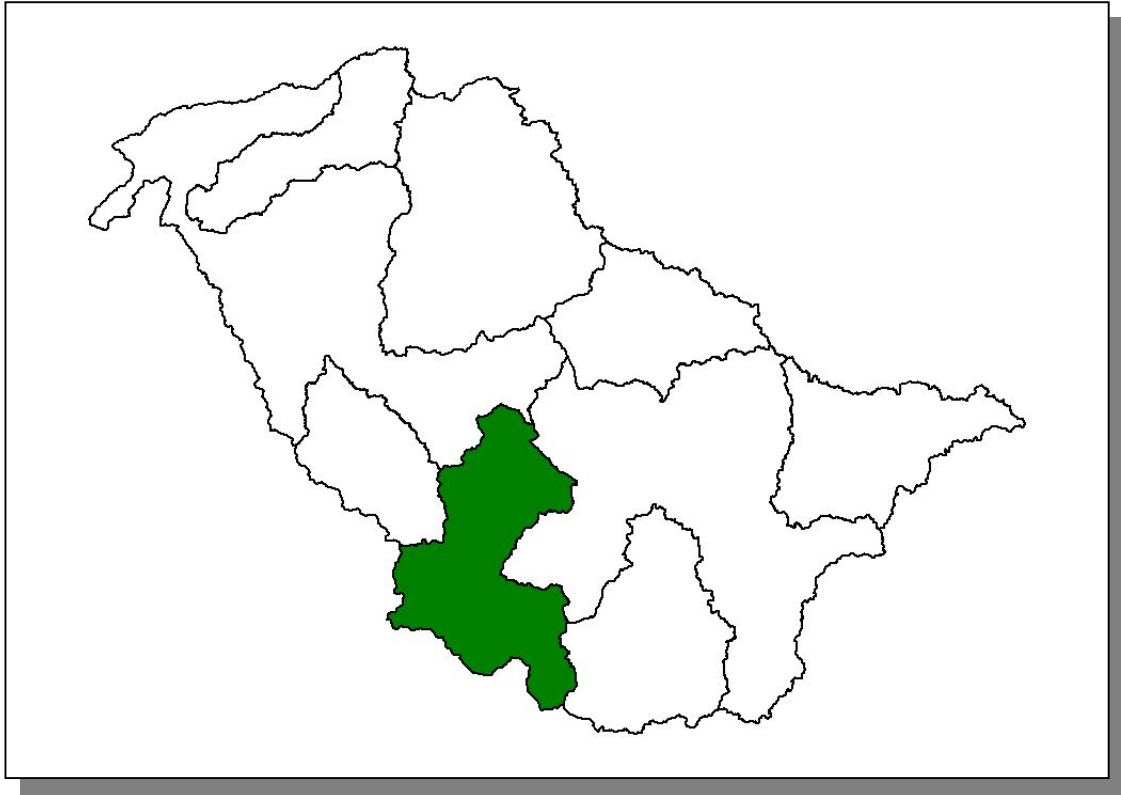
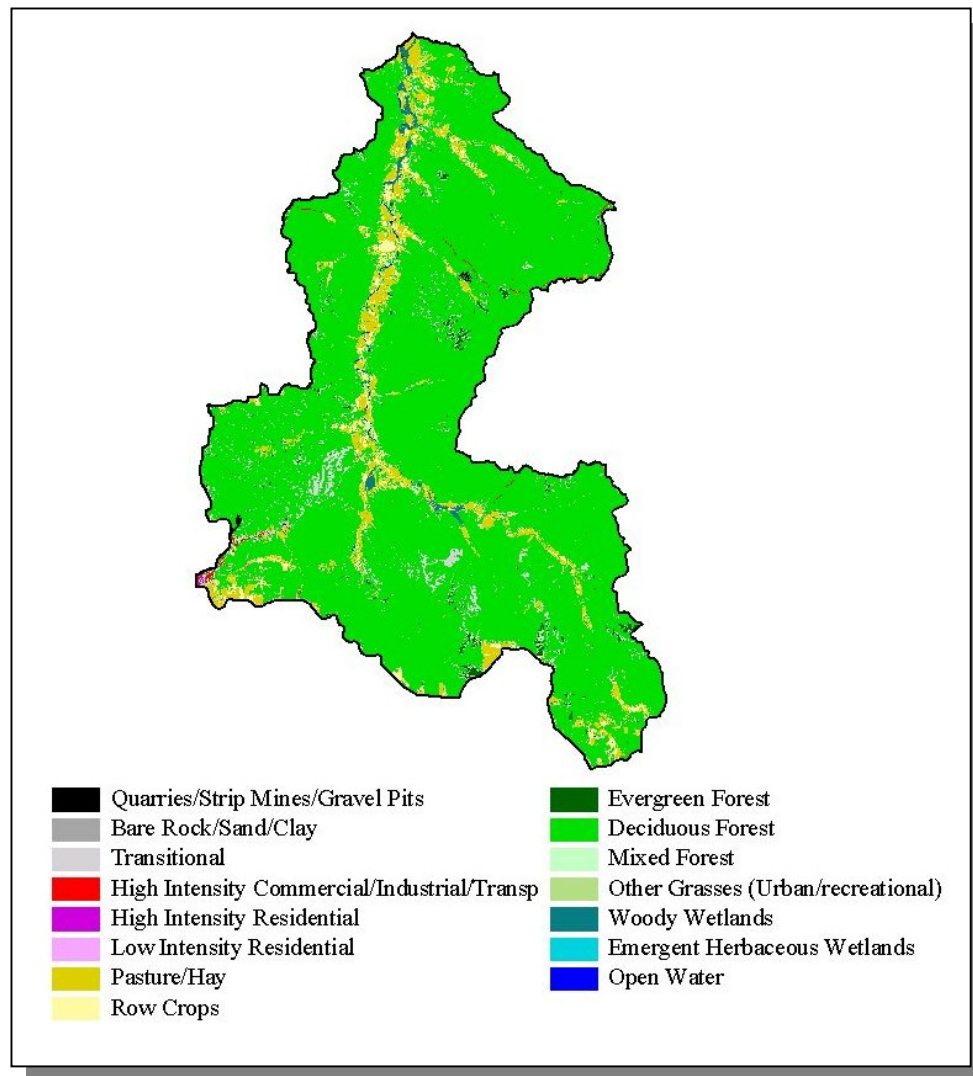


**4.2.F. 0604000306 (Big Swan Creek).**

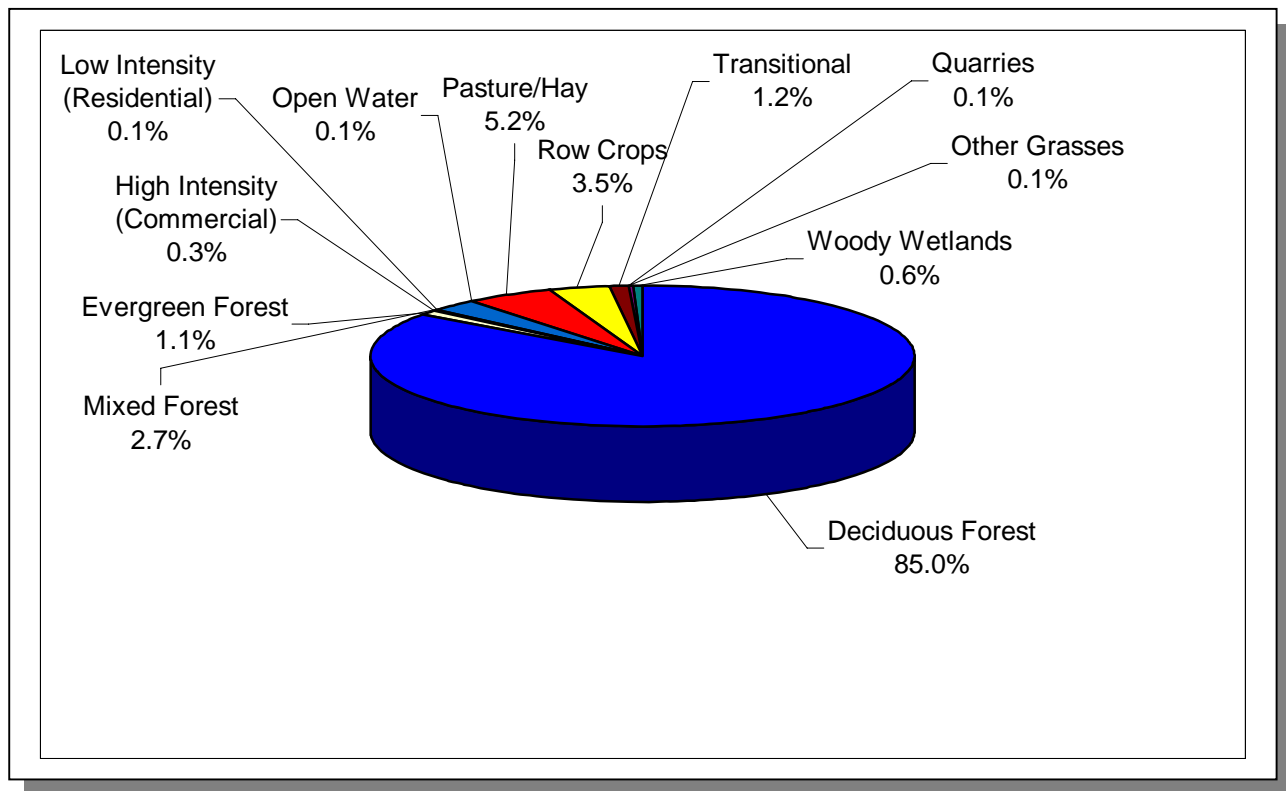


**Figure 4-61. Location of Subwatershed 0604000306.** All Lower Duck HUC-10 subwatershed boundaries are shown for reference.

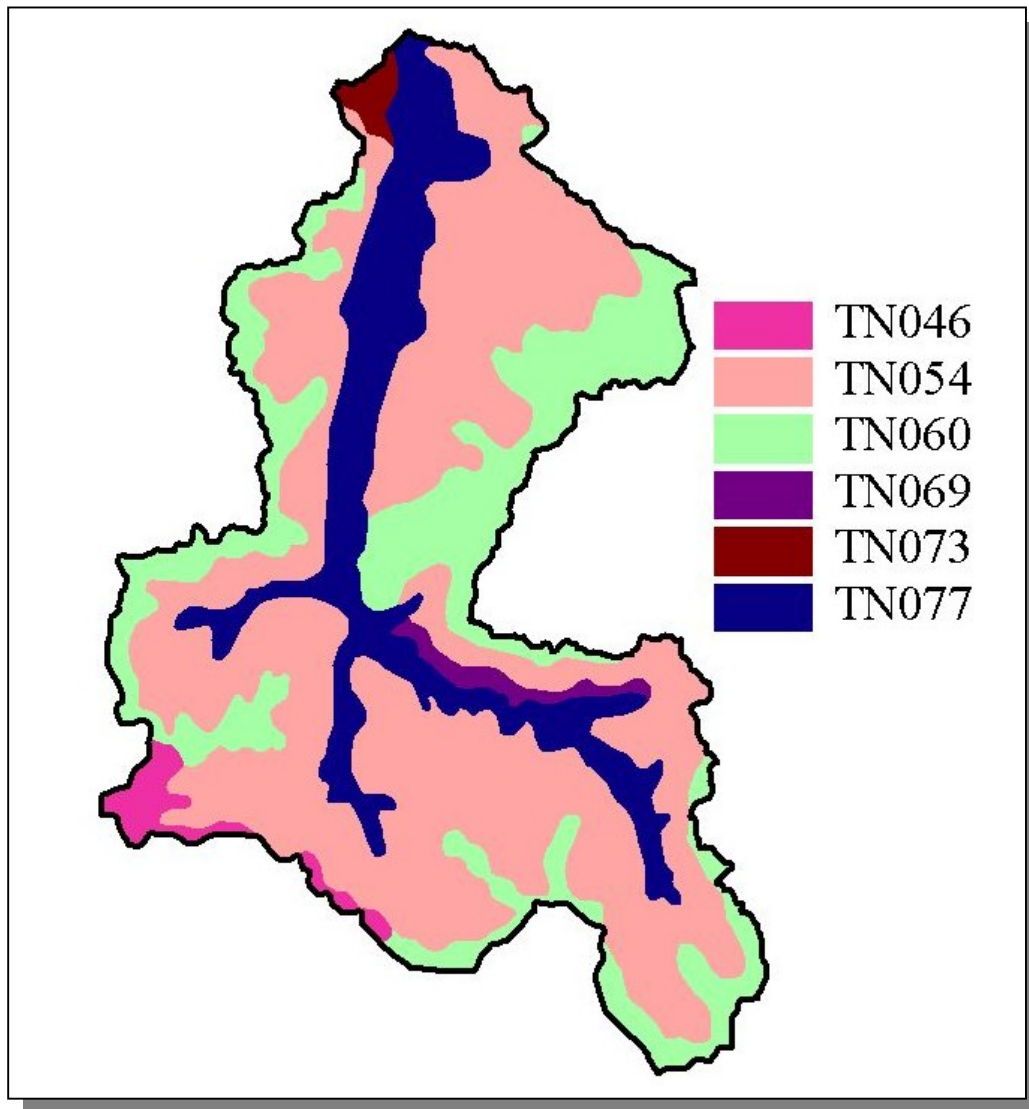
4.2.F.i. General Description.



**Figure 4-62. Illustration of Land Use Distribution in Subwatershed 0604000306.**



**Figure 4-63. Land Use Distribution in Subwatershed 0604000306.** More information is provided in Appendix IV.



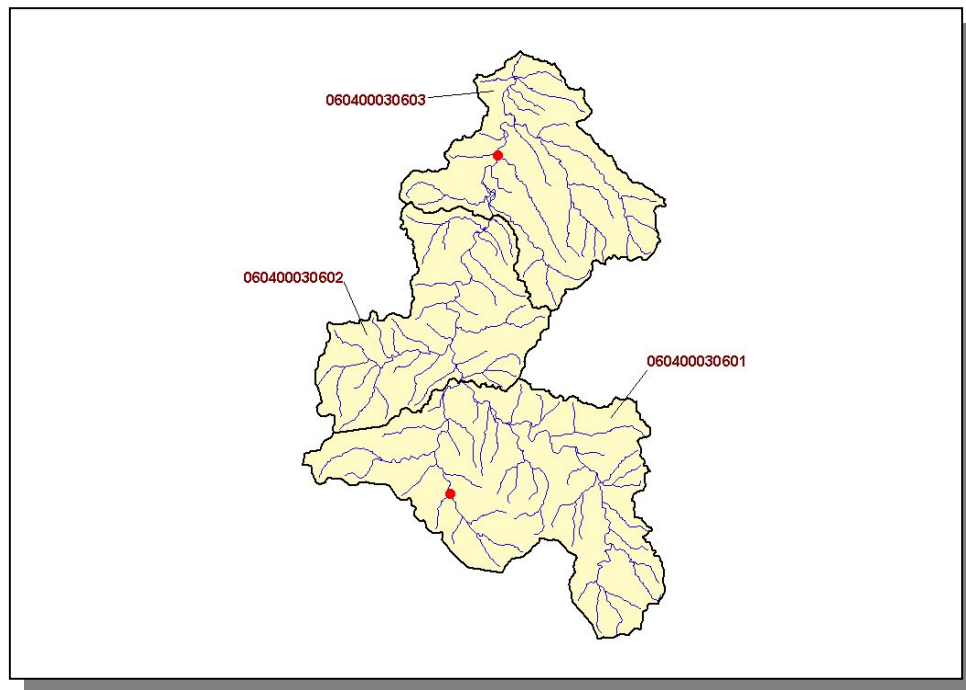
**Figure 4-64. STATSGO (State Soil Geographic Database) Soil Map Units in Subwatershed 0604000306.**

STATSGO MAP UNIT ID	PERCENT HYDRIC	HYDROLOGIC GROUP	PERMEABILITY (in/hr)	SOIL pH	ESTIMATED SOIL TEXTURE	SOIL ERODIBILITY
TN046	0.00	B	1.98	5.09	Silty Loam	0.38
TN054	0.00	C	3.04	4.84	Loam	0.32
TN060	5.00	B	1.30	5.32	Silty Loam	0.39
TN069	0.00	C	2.06	5.36	Loam	0.34
TN073	0.00	B	2.97	5.21	Loam	0.34
TN077	4.00	C	2.16	5.03	Loam	0.34

**Table 4-34. Soil Characteristics by STATSGO (State Soil Geographic Database) Soil Map Units in Subwatershed 0604000306.** More information is provided in Appendix IV.

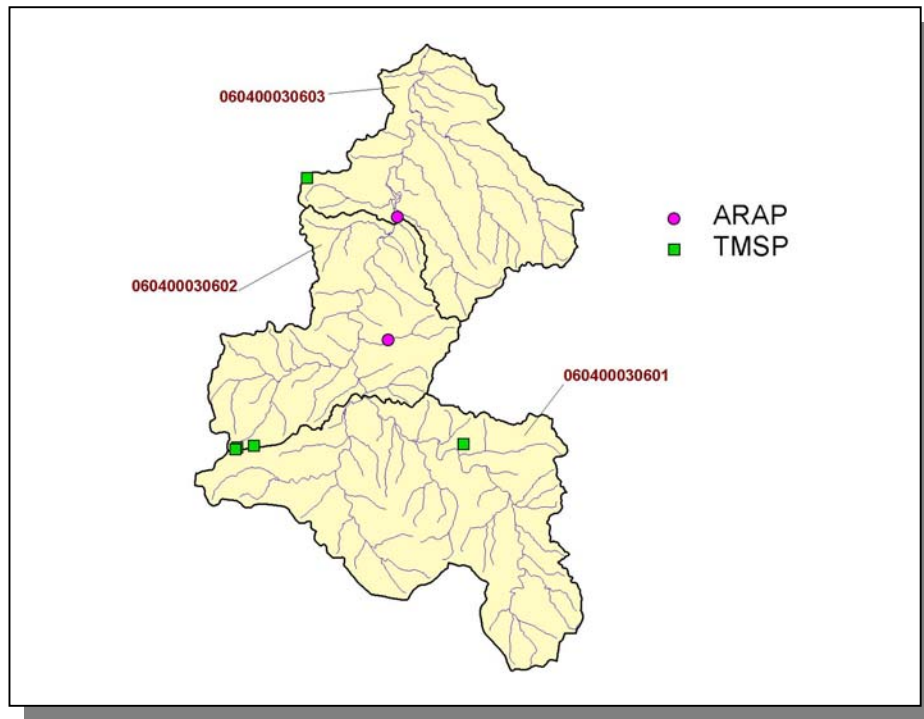
County	COUNTY POPULATION			Portion of Watershed (%)	ESTIMATED POPULATION IN WATERSHED			% Change (1990-1997)
	1990	1997	2000		1990	1997	2000	
Hickman	16,754	19,926	22,295	9.30	1,559	1,854	2,074	33.0
Lawrence	35,303	39,095	39,926	0.24	86	95	97	12.8
Lewis	9,247	10,789	11,367	33.71	3,118	3,637	3,832	22.9
Maury	54,812	68,268	69,498	0.09	52	65	66	26.9
<b>Totals</b>	<b>116,116</b>	<b>138,078</b>	<b>143,086</b>		<b>4,815</b>	<b>5,651</b>	<b>6,089</b>	<b>26.0</b>

*Table 4-35. Population Estimates in Subwatershed 0604000306.*

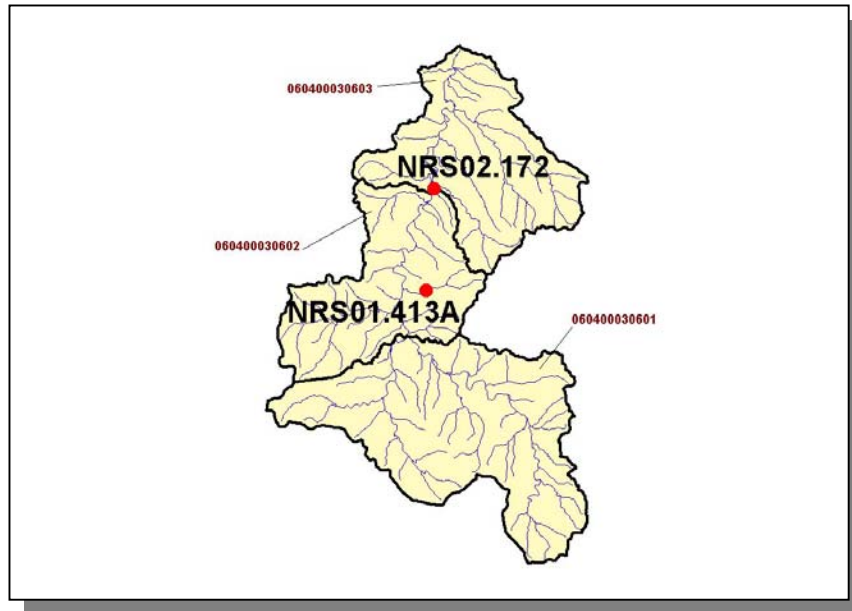


**Figure 4-65. Location of STORET Monitoring Sites in Subwatershed 0604000306.** Subwatershed 060400030601, 060400030602, and 060400030603 boundaries are shown for reference. More information, including site names and locations, is provided in Appendix IV.

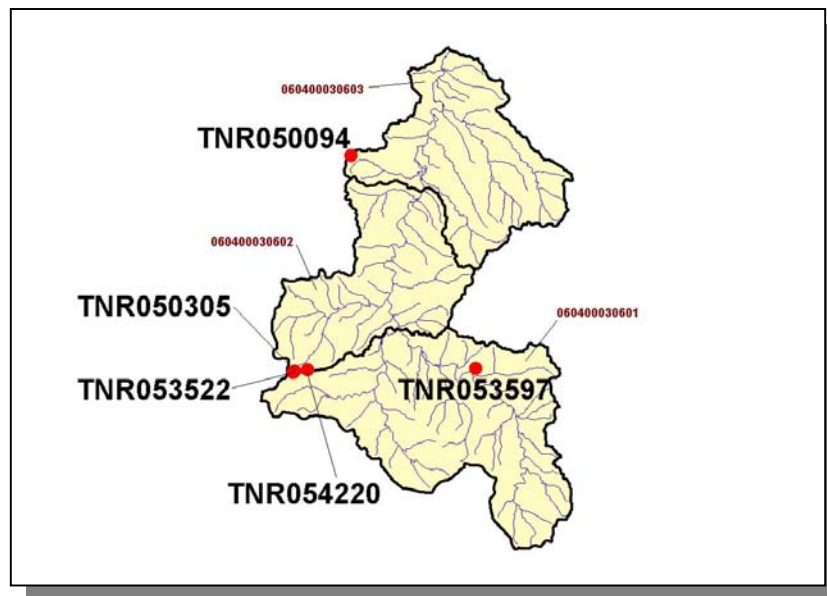
4.2.F.ii. Point Source Contributions.



**Figure 4-66. Location of Active Point Source Facilities in Subwatershed 0604000306.** Subwatershed 060400030601, 060400030602 and 060400030603 boundaries are shown for reference. More information is provided in Appendix IV.



**Figure 4-67. Location of ARAP Sites (Individual Permits) in Subwatershed 0604000306.** Subwatershed 060400030601, 060400030602 and 060400030603 boundaries are shown for reference. More information is provided in Appendix IV.



**Figure 4-68. Location of TMSF Facilities in Subwatershed 0604000306.** Subwatershed 060400030601, 060400030602 and 060400030603 boundaries are shown for reference. More information is provided in Appendix IV.



**4.2.F.iii. Nonpoint Source Contributions.**

<b>LIVESTOCK (COUNTS)</b>						
Beef Cow	Milk Cow	Cattle	Chickens (Layers)	Chickens Sold	Hogs	Sheep
1,774	24	3,240	6	<5	653	18

**Table 4-36. Summary of Livestock Count Estimates in Subwatershed 0604000306.** According to the 1997 Census of Agriculture (<http://www.nass.usda.gov/census/>), "Cattle" includes heifers, heifer calves, steers, bulls and bull calves; "Chickens" are layers 20 weeks and older; "Chickens Sold" are all chickens used to produce meat.

County	<b>INVENTORY</b>		<b>REMOVAL RATE</b>	
	Forest Land (thousand acres)	Timber Land (thousand acres)	Growing Stock (million cubic feet)	Sawtimber (million board feet)
Hickman	297.2	297.2	5.8	23.0
Lawrence	199.8	199.8	6.6	27.1
Lewis	158.0	158.0	4.0	10.2
<b>Total</b>	<b>655.0</b>	<b>655.0</b>	<b>16.4</b>	<b>60.3</b>

**Table 4-37. Forest Acreage and Average Annual Removal Rates (1987-1994) in Subwatershed 0604000306.**

<b>CROPS</b>	<b>TONS/ACRE/YEAR</b>
Legume (Pastureland)	0.68
Grass (Pastureland)	1.45
Grass (Hayland)	0.21
Legumes (Hayland)	1.05
Legumes, Grass (Hayland)	0.31
Grass, Forbs, Legumes (Mixed Pasture)	0.53
Forest Land (Not Grazed)	0.00
Forest Land (Grazed)	0.00
Corn (Row Crops)	5.21
Cotton (Row Crops)	8.07
Soybeans (Row Crops)	5.98
Tobacco (Row Crops)	7.68
All Other Row Crops	11.45
Wheat (Close-Grown Cropland)	14.15
All Other Close-Grown Cropland	1.80
Other Cropland not Planted	0.88
Conservation Reserve Program Lands	0.47
Non-Agricultural Land Use	0.00
Farmsteads and Ranch Headquarters	0.19

**Table 4-38. Annual Estimated Total Soil Loss in Subwatershed 0604000306.**